Title (en)

SYSTEMS AND METHODS FOR A COMPOSITE MAGNETIC FIELD SENSOR FOR AIRBORNE GEOPHYSICAL SURVEYS

Title (de)

SYSTEME UND VERFAHREN FÜR EINEN ZUSAMMENGESETZTEN MAGNETFELDSENSOR FÜR GEOPHYSIKALISCHE VERMESSUNGEN

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR DÉTECTEUR DE CHAMP MAGNÉTIQUE COMPOSITE POUR ÉTUDES GÉOPHYSIQUES AÉROPORTÉES

Publication

EP 3111255 A2 20170104 (EN)

Application

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Abstract (en)

[origin: WO2015128734A2] Systems and methods for a composite magnetic field sensor is disclosed. The electromagnetic survey system includes a first receiver configured to sense signals in a first spectrum based on sensing a magnetic field. The system includes a second receiver configured to sense signals in a second spectrum based on sensing a time rate of change of the magnetic field. The second spectrum has a frequency range higher than the first spectrum. The system further includes a transmitter configured to transmit a specified waveform and a control system configured to control the transmitter to transmit the specified waveform. The control system is also configured to receive signals sensed by the first receiver, receive signals sensed by the second receiver, and store the signals received from the first receiver and the signals received from the second receiver.

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